



Atty. Docket No. 2003-0025-02  
USSN 10/631,349

*1 fu*

**CERTIFICATE OF FACSIMILE TRANSMISSION**

Date of Deposit: April 6, 2005

I hereby certify that this paper is being facsimile transmitted to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date indicated above.

Joy Day

(Name)

(Signature)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:

John P. Fallon et al.

Serial No.: 10/631,349

Filing Date: July 30, 2003

Title: CONTROL SYSTEM FOR A TWO  
CHAMBER GAS DISCHARGE LASER

Examiner: Hung T. Vy

Group Art Unit: 2821

Conf. No.: 1923

04/28/2008 HALI44 00000001 034060 10631349  
01 FC:1464 130.00 DA

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**PETITION TO CORRECT INVENTORSHIP UNDER 37 C.F.R. § 1.48(a)**

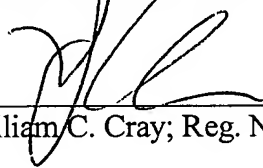
Applicants have just recently been made aware that Richard L. Sandstrom was erroneously included as an inventor in the present application. This error in inventorship occurred without deceptive intent. Applicants respectfully request that Richard L. Sandstrom be removed as an inventor for this patent application.

Included with this Petition are: Consent of Assignee, Statement Under 37 C.F.R. 3.73(b), Statement of Richard L. Sandstrom, a Declaration and Power of Attorney executed by the actual inventors, and the required Petition fee.

A fee in the amount of \$130 is believed due in connection with the filing of this Petition. Applicants do not believe that any additional fees are required by the filing of this Petition, however, if any additional fees are due, the Commissioner is hereby

authorized to charge any fees, or to credit any overpayment to Applicants assignee,  
Cymer, Inc.'s Deposit Account No. 03-4060.

Respectfully submitted,

  
\_\_\_\_\_  
William C. Cray; Reg. No. 27,627

April 6, 2005  
Cymer, Inc.  
Customer No. 21773  
Telephone: (858) 385-7185  
Facsimile: (858) 385-6025



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

John P. Fallon et al.

Serial No.: 10/631,349

Filing Date: July 30, 2003

Title: CONTROL SYSTEM FOR A TWO  
CHAMBER GAS DISCHARGE LASER

Examiner: HUNG T. Vy

Group Art Unit: 2821

Conf. No.: 1

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**PETITION TO CORRECT INVENTORSHIP UNDER 37 C.F.R. § 1.48(a)**

**CONSENT OF ASSIGNEE**

I, Albert P. Cefalo, declare as follows:

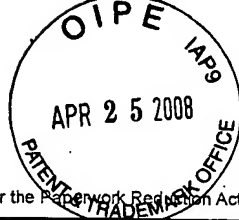
I am authorized to act on behalf of the Assignee, Cymer, Inc. The entire title to the above-identified patent application is vested in said Assignee. (Statement Under 37 CFR 3.73(b) is attached hereto.) On behalf of the Assignee, Cymer, Inc., consent is hereby given to the change in inventorship, i.e., to remove Richard L. Sandstrom as an inventor of the above-identified application. Richard L. Sandstrom was erroneously included as an inventor when the application was filed. This error in inventorship occurred without deceptive intent.

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of this patent.

3/11/05  
Date

Albert P. Cefalo  
Albert P. Cefalo, Sr. V.P. of Intellectual  
Property & Assistant Secretary

04/25/2008 H01144 00000006 034060 7039086  
Sale Ref: 00000014 DAB: 034060 7039086  
01 FC:1464 130.00 DA



# COPY

PTO/SB/17p (11-04)  
Approved for use through 07/31/2007. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**PETITION FEE**  
**Under 37 CFR 1.17(f), (g) & (h)**  
**TRANSMITTAL**  
(Fees are subject to annual revision)

Send completed form to: Commissioner for Patents  
P.O. Box 1450, Alexandria, VA 22313-1450

Application Number	10/631,349
Filing Date	July 30, 2003
First Named Inventor	John P. Fallon
Art Unit	2821
Examiner Name	Hung T. Vy
Attorney Docket Number	2003-0025-02

Enclosed is a petition filed under 37 CFR 1.48(a) that requires a processing fee (37 CFR 1.17(f), (g), or (h)). Payment of \$ 130.00 is enclosed.

This form should be included with the above-mentioned petition and faxed or mailed to the Office using the appropriate Mail Stop (e.g., Mail Stop Petition), if applicable. For transmittal of processing fees under 37 CFR 1.17(f), see form PTO/SB/17i.

**Payment of Fees** (small entity amounts are NOT available for the petition fees)

☒ The Commissioner is hereby authorized to charge the following fees to Deposit Account No. 03-4060:

☒ petition fee under 37 CFR 1.17(f), (g) or (h) ☒ any deficiency of fees and credit of any overpayments

Enclose a duplicative copy of this form for fee processing.

☐ Check in the amount of \$ \_\_\_\_\_ is enclosed.

☐ Payment by credit card (Form PTO-2038 or equivalent enclosed). Do not provide credit card information on this form.

**Petition Fees under 37 CFR 1.17(f): Fee \$400 Fee Code 1462**

For petitions filed under:

- § 1.53(e) - to accord a filing date.
- § 1.57(a) - to accord a filing date.
- § 1.182 - for decision on a question not specifically provided for.
- § 1.183 - to suspend the rules.
- § 1.378(e) - for reconsideration of decision on petition refusing to accept delayed payment of maintenance fee in an expired patent.
- § 1.741(b) - to accord a filing date to an application under § 1.740 for extension of a patent term.

**Petition Fees under 37 CFR 1.17(g): Fee \$200 Fee Code 1463**

For petitions filed under:

- § 1.12 - for access to an assignment record.
- § 1.14 - for access to an application.
- § 1.47 - for filing by other than all the inventors or a person not the inventor.
- § 1.59 - for expungement of information.
- § 1.103(a) - to suspend action in an application.
- § 1.136(b) - for review of a request for extension of time when the provisions of section 1.136(a) are not available.
- § 1.295 - for review of refusal to publish a statutory invention registration.
- § 1.296 - to withdraw a request for publication of a statutory invention registration filed on or after the date the notice of intent to publish issued.
- § 1.377 - for review of decision refusing to accept and record payment of a maintenance fee filed prior to expiration of a patent.
- § 1.550(c) - for patent owner requests for extension of time in ex parte reexamination proceedings.
- § 1.956 - for patent owner requests for extension of time in inter partes reexamination proceedings.
- § 5.12 - for expedited handling of a foreign filing license.
- § 5.15 - for changing the scope of a license.
- § 5.25 - for retroactive license.

**Petition Fees under 37 CFR 1.17(h): Fee \$130 Fee Code 1464**

For petitions filed under:

- § 1.19(g) - to request documents in a form other than that provided in this part.
- § 1.84 - for accepting color drawings or photographs.
- § 1.91 - for entry of a model or exhibit.
- § 1.102(d) - to make an application special.
- § 1.138(c) - to expressly abandon an application to avoid publication.
- § 1.313 - to withdraw an application from issue.
- § 1.314 - to defer issuance of a patent.

Signature

William C. Cray

Typed or printed name

April 6, 2005

Date

27,627

Registration No., if applicable

This collection of information is required by 37 CFR 1.17. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 5 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



Atty. Docket No. 2003-0025-02  
USSN 10/631,349

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

John P. Fallon et al.

Serial No.: 10/631,349

Filing Date: July 30, 2003

Title: CONTROL SYSTEM FOR A TWO  
CHAMBER GAS DISCHARGE LASER

Examiner: Hunt T. Vy

Group Art Unit: 2821

Conf. No.: 1923

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**PETITION TO CORRECT INVENTORSHIP UNDER 37 C.F.R. § 1.48(a)**

**STATEMENT OF RICHARD L. SANDSTROM**

I, Richard L. Sandstrom, declare as follows:

I was named as an inventor of the above-identified application ("the application"). Upon later review of the claims I determined that I did not contribute to the concept of any of the claims and should therefore be removed as an inventor. This error in inventorship occurred without deceptive intent on my part.

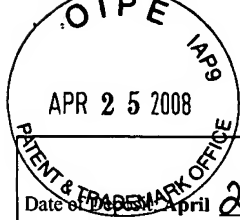
I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of this patent.

3/16/05

Date

Richard L. Sandstrom

Richard L. Sandstrom



**CERTIFICATE OF MAILING BY "FIRST CLASS MAIL"**

Date of Deposit April 21, 2008

I hereby certify that this paper or fee is being deposited with the United States Post Office Service First Class Mail to Addressee services under 37 C.F.R. 1.8 on the date indicated above and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Sarah J. Briggs

(Name)

*Sarah J. Briggs*

(Signature)

**Atty. Dkt. No. 2003-0025-02**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent No.: 7,039,086

Issue Date: May 2, 2006

Inventors: Fallon et al.

For: CONTROL SYSTEM FOR A TWO  
CHAMBER GAS DISCHARGE LASER

Commissioner for Patents  
Office of Patent Publication  
ATTN: Certificate of Correction Branch  
P.O. Box 1450  
Alexandria, VA 22313-1450

**REQUEST FOR CERTIFICATE OF CORRECTION UNDER 37 C.F.R. § 1.324**

Dear Sir:

Applicants respectfully request that the United States Patent Office issue a Certificate of Correction for the above-identified patent to correct a minor error on the face of the Patent that is the fault of the Patent Office. Such corrections do not add new matter.

Applicants request correction of the U.S. patent as follows:

On the face of the patent, under (75) Inventors, please delete "Richard L. Sandstrom, Encinitas, CA (US);".

On April 6, 2005 Applicants filed a Petition to Correct Inventorship under 37 CFR 1.48(a), along with a Statement of Richard L. SANDSTROM, Consent of Assignee, Statement Under 37 CFR 3.73(b), and a newly executed Declaration and Power of Attorney excluding Inventor, Richard L. SANDSTROM. Copies of these papers are attached hereto.

On February 13, 2006 the U.S. Patent Office mailed to Applicants an Office Communication, for which the Examiner considered the Petition to Correct Inventorship filed on April 6, 2005. A copy of the Office Communication is also attached hereto.

The Patent issued on May 2, 2006, for which the Office of Publications had over two months to correct the inventorship to exclude Richard L. SANDSTROM before the printing of this patent.

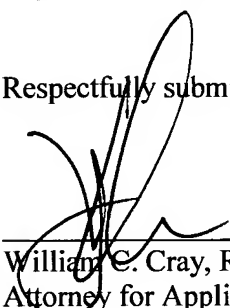
Considering the above, Applicants respectfully request that Applicants' Petition to Correct Inventorship that was received and considered by the Examiner be entered and that this Request for Certificate of Correction to correct the inventorship on the face of this Patent be granted.

**Remarks**

These corrections are of a "minor" character and do not add new matter or materially affect the scope of the patent.

Enclosed is Form PTO/SB/44 requesting correction of the above-referenced U.S. Patent. This Request for Certificate of Correction is due to a minor error that was the Patent Office's fault. Therefore, no fee is believed to be due in the filing of this Request for Certificate of Correction. Alternatively, if any fee is due with the filing of this Request, the Commissioner is authorized to charge Deposit Account 03-4060 for the required fee, and is also authorized to charge any additional fee due or credit any overpayment to Deposit Account No. 03-4060. A duplicate copy of this paper is enclosed.

Respectfully submitted,



---

William C. Cray, Reg. No. 27,627  
Attorney for Applicant(s)

April 21, 2008  
Cymer, Inc.  
Customer No. 21773  
Telephone: (858) 385-7185  
Facsimile: (858) 385-6025



COPY

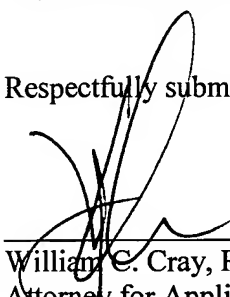
Atty Docket No. 2003-0025-02  
USPN 7,039,086

**Remarks**

These corrections are of a "minor" character and do not add new matter or materially affect the scope of the patent.

Enclosed is Form PTO/SB/44 requesting correction of the above-referenced U.S. Patent. This Request for Certificate of Correction is due to a minor error that was the Patent Office's fault. Therefore, no fee is believed to be due in the filing of this Request for Certificate of Correction. Alternatively, if any fee is due with the filing of this Request, the Commissioner is authorized to charge Deposit Account 03-4060 for the required fee, and is also authorized to charge any additional fee due or credit any overpayment to Deposit Account No. 03-4060. A duplicate copy of this paper is enclosed.

Respectfully submitted,



---

William C. Cray, Reg. No. 27,627  
Attorney for Applicant(s)

April 21, 2008  
Cymer, Inc.  
Customer No. 21773  
Telephone: (858) 385-7185  
Facsimile: (858) 385-6025

Under the Paperwork Reduction Act of 1995, no persons are required to a collection of information unless it displays a valid OMB control number.  
(Also Form PTO-1050)

## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 7,039,086  
DATED : May 2, 2006  
INVENTOR(S) : Fallon et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

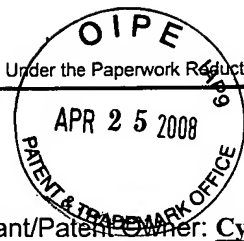
On the face of the Patent, under (75) Inventors, delete "Richard L. Sandstrom, Encinitas, CA (US);"

**MAILING ADDRESS OF SENDER:**

William C. Cray, Reg. No. 27,627  
Cymer, Inc., Legal Dept., MS/4-2D  
17075 Thornmint Court  
San Diego, CA 92127-2413

**Customer Number:** 21773**PATENT NO.** 7,039,086

**Burden Hour Statement:** This form is estimated to take 1.0 hour to complete. Time will vary depending upon the needs of the individual case. Any comment on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORM TO THIS ADDRESS. SEND TO: Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450.



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PTO/SB/96 (06-04)  
Approved for use through 07/31/2006. OMB 0651-0031  
Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

## STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: Cymer, Inc.

Application No./Patent No.: 10/631,349

Filed/Issue Date: July 30, 2003

Entitled: CONTROL SYSTEM FOR A TWO CHAMBER GAS DISCHARGE LASER

Cymer, Inc.

, a corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest.  
The extent (by percentage) of its ownership interest is \_\_\_\_\_ %  
in the patent application/patent identified above by virtue of either:

A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 014121, Frame 0100, or for which a copy thereof is attached.

OR

B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
2. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
3. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

☐ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., a true copy of the original assignment document (s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Albert P. Cefalo  
Signature

Albert P. Cefalo

Printed or Typed Name

Sr. V.P. of Intellectual Property & Assistant Secretary

Title

3/11/05  
Date

(858) 385-6222

Telephone number

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETE D FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

DECLARATION AND POWER OF ATTORNEY  
FOR PATENT APPLICATION

ATTORNEY DOCKET NO. 2003-0025-02

As a below named inventor, I hereby declare that:

My residence/post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

## CONTROL SYSTEM FOR A TWO CHAMBER GAS DISCHARGE LASER

the specification of which is attached hereto unless the following box is checked:

(X) was filed on July 30, 2003 as US Application Serial No. 10/631,349  
and was amended on February 12, 2004 and December 2, 2004.

I hereby state that I have reviewed and understood the contents of the above-identified specification, including the claims, as amended by any amendment(s) referred to above. I acknowledge the duty to disclose all information which is material to patentability as defined in 37 CFR 1.56.

**Foreign Application(s) and/or Claim of Foreign Priority**

I hereby claim foreign priority benefits under Title 35, United States Code Section 119 of any foreign application(s) for patent or inventor(s) certificate listed below and have also identified below any foreign application for patent or inventor(s) certificate having a filing date before that of the application on which priority is claimed:

COUNTRY	APPLICATION NUMBER	DATE FILED	PRIORITY CLAIMED UNDER 35 U.S.C. 119
N/A			

**Provisional Application**

I hereby claim the benefit under Title 35, United States Code Section 119(e) of any United States provisional application(s) listed below:

APPLICATION SERIAL NUMBER	FILING DATE
60/454,029	March 11, 2003

**U.S. Priority Claim**

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

APPLICATION SERIAL NUMBER	FILING DATE	STATUS (patented/pending/abandoned)
10/384,967	March 8, 2003	Pending
10/210,761	July 31, 2002	Pending
10/187,336	June 28, 2002	Pending
10/141,216	May 7, 2002	Pending
10/036,676	December 21, 2001	Pending
10/036,727	December 21, 2001	Pending
10/006,913	November 29, 2001	Pending
10/000,991	November 14, 2001	Pending
09/943,343	August 29, 2001	Pending
09/854,097	May 11, 2001	Pending
09/848,043	May 3, 2001	Pending
09/829,475	April 9, 2001	Pending

**POWER OF ATTORNEY**

As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) listed below to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Customer No. 21773  
William Cray, Reg. No. 27,627  
Matthew K. Hillman, Reg. No. 45,892  
Albert P. Cefalo, Reg. No. 27,315

Send Correspondence to:  
Cymer, Inc.  
Legal Dept., MS/4-2C  
17075 Thornmint Court  
San Diego, California 92127-1712

Direct Telephone Calls to:  
William C. Cray (858) 385-7185

Direct Facsimile Transmissions to:  
William C. Cray (858) 385-6025

I hereby declare that all statements herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of Inventor (please print): John P. Fallon Citizenship: United States

Residence/Post Office Address: 16 Woodhaven Drive

Andover, MA 01810

Inventor's Signature:  Date: 3/15/05

Full Name of Inventor (please print): John A. Rule Citizenship: United States

Residence/Post Office Address: 38 Rice Road

Hingham, MA 02043

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Full Name of Inventor (please print): Robert N. Jacques Citizenship: United States

Residence/Post Office Address: 7163 Sherbourne Lane

San Diego, CA 92129

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Full Name of Inventor (please print): Jacob Lipcon Citizenship: United States

Residence/Post Office Address: 817 Main Street

Winchester, MA 01890

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Full Name of Inventor (please print): William N. Partlo      Citizenship: United States

Residence/Post Office Address: 12634 Pedriza Drive  
Poway, CA 92064

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Full Name of Inventor (please print): Alexander I. Ershov      Citizenship: United States

Residence/Post Office Address: 11312 Meadow Flower Place  
San Diego, CA 92127

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Full Name of Inventor (please print): Toshihiko Ishihara      Citizenship: Japan

Residence/Post Office Address: 7447 Salizar Street  
San Diego, CA 92111

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Full Name of Inventor (please print): John Meisner      Citizenship: United States

Residence/Post Office Address: 11003 Twin Pond Terrace  
San Diego, CA 92128

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Full Name of Inventor (please print): Richard M. Ness      Citizenship: United States

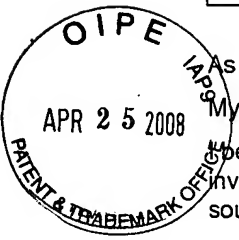
Residence/Post Office Address: 9248 Citrus View Court  
San Diego, CA 92126

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Full Name of Inventor (please print): Paul C. Melcher      Citizenship: United States

Residence/Post Office Address: 11381 Fuerte Farms Road  
El Cajon, CA 92020

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

DECLARATION AND POWER OF ATTORNEY  
FOR PATENT APPLICATIONATTORNEY DOCKET NO. 2003-0025-02

As a below named inventor, I hereby declare that:

My residence/post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

## CONTROL SYSTEM FOR A TWO CHAMBER GAS DISCHARGE LASER

the specification of which is attached hereto unless the following box is checked:

(X) was filed on July 30, 2003 as US Application Serial No. 10/631,349  
and was amended on February 12, 2004 and December 2, 2004.

I hereby state that I have reviewed and understood the contents of the above-identified specification, including the claims, as amended by any amendment(s) referred to above. I acknowledge the duty to disclose all information which is material to patentability as defined in 37 CFR 1.56.

**Foreign Application(s) and/or Claim of Foreign Priority**

I hereby claim foreign priority benefits under Title 35, United States Code Section 119 of any foreign application(s) for patent or inventor(s) certificate listed below and have also identified below any foreign application for patent or inventor(s) certificate having a filing date before that of the application on which priority is claimed:

COUNTRY	APPLICATION NUMBER	DATE FILED	PRIORITY CLAIMED UNDER 35 U.S.C. 119
N/A			

**Provisional Application**

I hereby claim the benefit under Title 35, United States Code Section 119(e) of any United States provisional application(s) listed below:

APPLICATION SERIAL NUMBER	FILING DATE
60/454,029	March 11, 2003

**U.S. Priority Claim**

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

APPLICATION SERIAL NUMBER	FILING DATE	STATUS (patented/pending/abandoned)
10/384,967	March 8, 2003	Pending
10/210,761	July 31, 2002	Pending
10/187,336	June 28, 2002	Pending
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10/000,991	November 14, 2001	Pending
09/943,343	August 29, 2001	Pending
09/854,097	May 11, 2001	Pending
09/848,043	May 3, 2001	Pending
09/829,475	April 9, 2001	Pending

Full Name of Inventor (please print): William N. Partlo      Citizenship: United States

Residence/Post Office Address: 12634 Pedriza Drive  
Poway, CA 92064

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Full Name of Inventor (please print): Alexander I. Ershov      Citizenship: United States

Residence/Post Office Address: 11312 Meadow Flower Place  
San Diego, CA 92127

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Full Name of Inventor (please print): Toshihiko Ishihara      Citizenship: Japan

Residence/Post Office Address: 7447 Salizar Street  
San Diego, CA 92111

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Full Name of Inventor (please print): John Meisner      Citizenship: United States

Residence/Post Office Address: 11003 Twin Pond Terrace  
San Diego, CA 92128

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Full Name of Inventor (please print): Richard M. Ness      Citizenship: United States

Residence/Post Office Address: 9248 Citrus View Court  
San Diego, CA 92126

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Full Name of Inventor (please print): Paul C. Melcher      Citizenship: United States

Residence/Post Office Address: 11381 Fuerte Farms Road  
El Cajon, CA 92020

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_



**POWER OF ATTORNEY**

As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) listed below to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Customer No. 21773  
William Cray, Reg. No. 27,627  
Matthew K. Hillman, Reg. No. 45,892  
Albert P. Cefalo, Reg. No. 27,315

**Send Correspondence to:**  
Cymer, Inc.  
Legal Dept., MS/4-2C  
17075 Thornmint Court  
San Diego, California 92127-1712

**Direct Telephone Calls to:**  
William C. Cray (858) 385-7185

**Direct Facsimile Transmissions to:**  
William C. Cray (858) 385-6025

I hereby declare that all statements herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

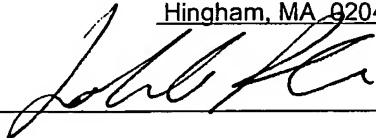
**Full Name of Inventor (please print):** John P. Fallon **Citizenship:** United States

**Residence/Post Office Address:** 16 Woodhaven Drive  
Andover, MA 01810

**Inventor's Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Full Name of Inventor (please print):** John A. Rule **Citizenship:** United States

**Residence/Post Office Address:** 38 Rice Road  
Hingham, MA 02043

**Inventor's Signature:**  \_\_\_\_\_ **Date:** 3/14/05

**Full Name of Inventor (please print):** Robert N. Jacques **Citizenship:** United States

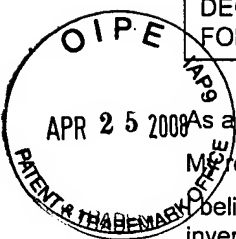
**Residence/Post Office Address:** 7163 Sherbourne Lane  
San Diego, CA 92129

**Inventor's Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Full Name of Inventor (please print):** Jacob Lipcon **Citizenship:** United States

**Residence/Post Office Address:** 817 Main Street  
Winchester, MA 01890

**Inventor's Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_

DECLARATION AND POWER OF ATTORNEY  
FOR PATENT APPLICATIONATTORNEY DOCKET NO. 2003-0025-02

As a below named inventor, I hereby declare that:

My residence/post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

## CONTROL SYSTEM FOR A TWO CHAMBER GAS DISCHARGE LASER

the specification of which is attached hereto unless the following box is checked:

(X) was filed on July 30, 2003 as US Application Serial No. 10/631,349  
and was amended on February 12, 2004 and December 2, 2004.

I hereby state that I have reviewed and understood the contents of the above-identified specification, including the claims, as amended by any amendment(s) referred to above. I acknowledge the duty to disclose all information which is material to patentability as defined in 37 CFR 1.56.

**Foreign Application(s) and/or Claim of Foreign Priority**

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Matthew K. Hillman, Reg. No. 45,892  
Albert P. Cefalo, Reg. No. 27,315

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**Full Name of Inventor (please print):** John P. Fallon **Citizenship:** United States

**Residence/Post Office Address:** 16 Woodhaven Drive  
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**Inventor's Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Full Name of Inventor (please print):** John A. Rule **Citizenship:** United States

**Residence/Post Office Address:** 38 Rice Road  
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**Inventor's Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Full Name of Inventor (please print):** Robert N. Jacques **Citizenship:** United States

**Residence/Post Office Address:** 7163 Sherbourne Lane  
San Diego, CA 92129

**Inventor's Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Full Name of Inventor (please print):** Jacob Lipcon **Citizenship:** United States

**Residence/Post Office Address:** ~~10 Wendell St., #12A~~  
84 Webcovert Rd. #1  
Arlington, MA 02474  
~~Cambridge, MA 02138~~

**Inventor's Signature:** \_\_\_\_\_ **Date:** 4/2/05

Full Name of Inventor (please print): William N. Partlo      Citizenship: United States

Residence/Post Office Address: 12634 Pedriza Drive  
Poway, CA 92064

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Full Name of Inventor (please print): Alexander I. Ershov      Citizenship: United States

Residence/Post Office Address: 11312 Meadow Flower Place  
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Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Full Name of Inventor (please print): Toshihiko Ishihara      Citizenship: Japan

Residence/Post Office Address: 7447 Salizar Street  
San Diego, CA 92111

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Full Name of Inventor (please print): John Meisner      Citizenship: United States

Residence/Post Office Address: 11003 Twin Pond Terrace  
San Diego, CA 92128

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

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**Residence/Post Office Address:** 16 Woodhaven Drive  
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**Inventor's Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_

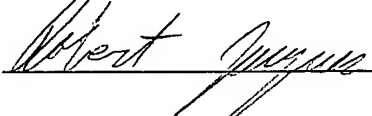
**Full Name of Inventor (please print):** John A. Rule **Citizenship:** United States

**Residence/Post Office Address:** 38 Rice Road  
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**Inventor's Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_

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**Residence/Post Office Address:** 7163 Sherbourne Lane  
San Diego, CA 92129

**Inventor's Signature:**  **Date:** 3/17/05

**Full Name of Inventor (please print):** Jacob Lipcon **Citizenship:** United States

**Residence/Post Office Address:** 817 Main Street  
Winchester, MA 01890

**Inventor's Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_


Full Name of Inventor (please print): William N. Partlo Citizenship: United States

Residence/Post Office Address: 12634 Pedriza Drive  
Poway, CA 92064

Inventor's Signature:  Date: 3/16/05

Full Name of Inventor (please print): Alexander I. Ershov Citizenship: United States

Residence/Post Office Address: 11312 Meadow Flower Place  
San Diego, CA 92127

Inventor's Signature:  Date: 3/17/05

Full Name of Inventor (please print): Toshihiko Ishihara Citizenship: Japan

Residence/Post Office Address: 7447 Salizar Street  
San Diego, CA 92111

Inventor's Signature:  Date: 3/29/05

Full Name of Inventor (please print): John Meisner Citizenship: United States

Residence/Post Office Address: 11003 Twin Pond Terrace  
San Diego, CA 92128

Inventor's Signature:  Date: 3/16/05

Full Name of Inventor (please print): Richard M. Ness Citizenship: United States

Residence/Post Office Address: 9248 Citrus View Court  
San Diego, CA 92126

Inventor's Signature:  Date: 3/16/05

Full Name of Inventor (please print): Paul C. Melcher Citizenship: United States

Residence/Post Office Address: 11381 Fuerte Farms Road  
El Cajon, CA 92020

Inventor's Signature:  Date: 16-MAR-2005



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/631,349

07/30/2003

John P. Fallon

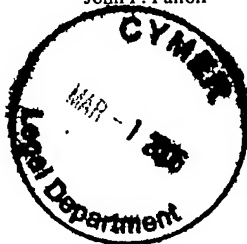
2003-0025-02

1923

7590

02/13/2006

Albert P. Cefalo and William Cray  
Cymer, Inc. Legal Dept. MS/4-2C  
17075 Thornmint Court  
San Diego, CA 92127



EXAMINER

VY, HUNG T

ART UNIT

PAPER NUMBER

2821

DATE MAILED: 02/13/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

ENTERED





UNITED STATES DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office

Address: COMMISSIONER FOR PATENTS

P.O. Box 1450

Alexandria, Virginia 22313-1450

APPLICATION NO./ CONTROL NO.	FILING DATE	FIRST NAMED INVENTOR / PATENT IN REEXAMINATION	ATTORNEY DOCKET NO.
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15631349

EXAMINER
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Hung Vy

ART UNIT	PAPER
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20050207

DATE MAILED:

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner for Patents

The Examiner has considered the Pet. to correct Inventorship filed on 4/6/2005.

TRINH DINH  
PRIMARY EXAMINER

*Trinh Dinh*

APR 25 2008

**CERTIFICATE OF TRANSMISSION BY FACSIMILE (37 CFR 1.8)**

Applicant(s): **John R. Fallon et al.**

Docket No.

**2003-0025-02**

Application No.

**10/631,349**

Filing Date

**July 30, 2003**

Examiner

**Hung T. Vy**

Group Art Unit

**2821**

Invention: **CONTROL SYSTEM FOR A TWO CHAMBER GAS DISCHARGE LASER**

Following are: Petition to Correct Inventorship 1.48(a)(2pgs.); Petition Fee Transmittal, in dupl. (2pgs.); State. of Richard Sandstrom (1pg.); Consent of Assignee & 3.73(b) State. (2 pgs.); Dec/POA (4x3=12pgs.); 20 pgs. total

**COPY**

I hereby certify that this Petition to Correct Inventorship Under 1.48(a) and associated documents

*(Identify type of correspondence)*

is being facsimile transmitted to the United States Patent and Trademark Office (Fax. No. (703) 872-9306

on April 6, 2005

*(Date)*

**Joy Day**

*(Typed or Printed Name of Person Signing Certificate)*

*Joy Day*  
*(Signature)*

**Note: Each paper must have its own certificate of mailing.**